



## PROTECTIVE & MARINE COATINGS

# FasTop Multi DP

## PRODUCT TECHNICAL DATA

### PRODUCT DESCRIPTION

FasTop Multi DP is a heavy-duty polyurethane cement screed designed to create uniform non-slip finishes whilst providing excellent thermal shock resistance for a variety of industrial environments. FasTop Multi DP is laid between 5-7mm and then broadcast with Quartz, Granite or Carborundum aggregate to give a heavy non-slip finish designed to provide low slip potential in areas that are wet and/or exposed to greases and oils. The system is overcoated with FasTop Multi T150 to seal the silica sand in and provide a hard wearing and long-lasting surface. The system is designed to work with the current modular FasTop resins and hardeners to give maximum flexibility to customers.

### ADVANTAGES

- Excellent slip resistance
- High chemical resistance
- Resistant to hot water
- Extremely hard wearing
- Matt finish
- Campden BRI approved as non-tainting

### RECOMMENDED USE

- Food manufacture and processing
- Brewing and beverage
- Pharmaceutical and chemical plant processing
- Heavy duty plant and traffic areas
- Dairies
- Commercial kitchens
- Abattoirs and meat processing

### PRODUCT DATA

<b>Volume Solids:</b>	~100%	<b>Application at 20°C</b>	
<b>VOC:</b>	9 g/l calculated per full mixed unit	Recoating Intervals:	12-16 hours
<b>Colours:</b>	Black, Blue, Buff, Dark Grey, Mid Grey, Light Grey, Green, Marigold, Red	Light Traffic:	12-16 hours
<b>Finish:</b>	Matt finish	Full Traffic:	48 hours
<b>Flash Point:</b>	N/A	Full Chemical Cure	5-7 days
<b>Pack Size:</b>	22.1 kg	<b>Pot Life:</b>	15 minutes from mixing
<b>Pack Weights:</b>	2.32 kg base, 0.45 kg colour pack, 2.22 kg hardener, 17.11 kg aggregate (22.1 kg)	<b>Note:</b> All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.	
<b>Mixing Ratio:</b>	As above packing weights	<b>Coverage Rate:</b>	22.1 kg will cover 2.20 m <sup>2</sup> @ 5 mm or 1.83 m <sup>2</sup> @ 6 mm 5 mm – 10 kg/sqm & 7 mm – 14 kg/sqm
<b>Mixed Density:</b>	Approximately 2.00 g/cm <sup>3</sup>	<i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>	
<b>Shelf Life:</b>	36 months (Base and colour), 12 months (Hardener) & 6 months (Aggregate)	<b>System Thickness: (Recommended)</b>	5-7 mm
<b>Storage:</b>	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C. Aggregates must be stored in a dry area to prevent contamination by moisture, as this will have a detrimental effect on the product.	<b>Recommended Application Methods:</b>	Trowel, Rake



## FasTop Multi DP

### SURFACE PREPARATION

**New Concrete Floors:** New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25N/mm<sup>2</sup> is required.

**Existing Concrete Floors:** Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **FasTop Multi BU**.

**Existing Floors (previously coated):** All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with the existing floor coating.

**Anchor Joints:** To ensure the maximum bond is achieved, grooves must be cut into the perimeter of the subfloor, typically 20mm deep by 5-10mm wide. These should be inset approximately 150mm from and running parallel with the walls and adjacent to any doorways, plinths etc. including any finished edge, i.e. both sides of a day work joint. The groove must have a neat square edge and the **FasTop Multi DP** laid to the full depth forming a perimeter anchorage.

PRIMING	MIXING
<p>Primers are optional for this product dependant on substrate surface conditions and porosity. If required <b>FasTop Multi Primer</b> should be used which utilises the FasTop Multi components as detailed on the FasTop Multi Systems brochure and the <b>FasTop Multi Primer</b> product data sheet.</p> <p>Apply <b>FasTop Multi Primer</b> by medium nap roller, brush or squeegee. Work the primer well into the surface ensuring it is fully wetted out and then roll to complete an even coating without any ponding. Two coats may be required to eliminate any dry patches and to create an even sealed surface. The primer should be worked into and around the anchor joints whilst avoiding to filling these with resin.</p> <p><i>For further information please refer to recommended individual product data sheets.</i></p>	<p>Add the FasTop Multi Part A component (base) and then add the contents of the FasTop Multi Part D (color package) in a mixing bucket or directly in a rotary drum mixer, mix thoroughly for a minute then add the FasTop Multi Part B (hardener) component and mix for 1 minute. Add component DP Part C (aggregate) constantly, into the mixing bucket or into the mixer with rotating blades until a homogeneous mixture of the components is obtained.</p> <p><b>FasTop Multi DP</b> should be applied immediately after mixing to prepared areas.</p>

### APPLICATION

**FasTop Multi DP** may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity of 40% to 90% RH, with a minimum air temperature of 8°C and no condensation. Do not pre-warm this product as working times will be substantially reduced if materials are warm.

When the primed surface is tack free **FasTop Multi DP** should be applied at the required rate as soon after mixing as possible. (Delay can result in variation in surface finish, colour and add to application problems). NB: Cure times are extended at low temperatures.

The **FasTop Multi DP** mixed compound should immediately be poured evenly over the appropriate area to be covered (monitoring rate of coverage to ensure correct depth of screed). Low floor temperatures and reduced thickness may reduce the flow properties of these products. Work out the mix rapidly and evenly over the area with a notched trowel, pin rake or similar to the appropriate thickness.

Once laid the surface should be broadcast with selected aggregates (Quartz, Granite or Carborundum) to obliteration by hand or mechanical blower at a rate of 2 kg/m<sup>2</sup> to saturation using one of the following three aggregate options. :-


FasTop DP Light Duty     0.7-1.2mm Aggregate scattered evenly  
 FasTop DP Medium Duty   1.2-1.8mm Aggregate scattered evenly  
 FasTop DP Heavy Duty     1-3mm Aggregate scattered evenly

Continue broadcasting to excess until the floor appears dry and even and then allow to cure for 12-24 hours.

Once cured any remaining loose aggregate should be removed, and the surface sealed by the application of **FasTop Multi T150** by squeegee, roller or brush at the following coverage rates in line with the aggregate used as the scatter.

FasTop DP Light Duty     0.7-1.2mm Aggregate = 0.4 - 0.6 kg/m<sup>2</sup>  
 FasTop DP Medium Duty   1.2-1.8mm Aggregate = 0.7 - 0.9 kg/m<sup>2</sup>  
 FasTop DP Heavy Duty     1-3mm Aggregate = 1.0 - 1.2 kg/m<sup>2</sup>

See Sherwin-Williams **FasTop DP** System Guide for recommended floor systems.

TECHNICAL INFORMATION	CE MARK						
<p>The following figures are obtained from laboratory tests and our experience with this product.</p> <p><b>Category Guide:</b> FerFA Category 7</p> <p><b>Hardness@24 hours, Shore D:</b> 80 (BS ISO 7619-1:2010)</p> <p><b>Bond Strength:</b> &gt;3 N/mm<sup>2</sup> (Substrate failure) (BS EN 13892-8:2002)</p> <p><b>Temperature Resistance:</b> Tolerant of temperatures up to 90°C @ 5 mm</p> <p><b>Abrasion Resistance:</b> AR 4 (BS EN 13892-4:2002)</p> <p><b>Reaction to Fire:</b> Bfl-s1 (BS EN 13501-1:2018)</p> <p><b>Compressive Strength:</b> 34.6 MPa (BS EN 604:2003)</p> <p><b>Flexural Strength:</b> 5.8 N/mm<sup>2</sup> (BS EN 6319-7:1985)</p> <p><b>Tensile Strength:</b> 2.4 N/mm<sup>2</sup> (BS EN 13892-2:2002)</p> <p><b>Impact Resistance:</b> &gt;4 (BS EN ISO 6272-1:2011)</p> <p><b>Slip Resistance:</b> Can achieve &lt;36 (low slip potential in dry/wet conditions) (BS 7976-2:2002+A1:2013)</p> <p><b>Chemical Resistance:</b> Excellent – please see separate guide or contact Sherwin-Williams for specific advice</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;">  <p><b>Sherwin Williams Protective &amp; Marine</b> Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom Tel: +44 (0) 1204 521771 F: +44 (0) 1204 382115</p> <p><b>19</b></p> <p><b>BSEN 13813 SR B 3.0 – AR4 - IR&gt;4</b> Resin coating/screed for use inside buildings as per data sheet</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Wear resistance:</td> <td>AR4</td> </tr> <tr> <td>Bond strength:</td> <td>B 3.0</td> </tr> <tr> <td>Impact resistance:</td> <td>IR &gt;4</td> </tr> </table> </div>	Wear resistance:	AR4	Bond strength:	B 3.0	Impact resistance:	IR >4
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WARRANTY	DISCLAIMER
<p>Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.</p> <p>The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.</p>	<p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.</p>

### HEALTH AND SAFETY

*This datasheet is specifically subject to the disclaimer which can be found at: <http://protectiveemea.sherwin-williams.com/Home/Disclaimer>  
Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.*

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